



TITLE OF THE INVENTION

CONSUMABLE PRODUCT UNIT, CONSUMABLE PRODUCT REPLACEMENT SENSING SYSTEM AND METHOD THEREOF

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims the benefit of Korean Application No. 2002-41368, filed July 15, 2002 and Korean Application No. 2003-43998, filed June 30, 2003, in the Korean Intellectual Property Office, the disclosures of which are incorporated herein by reference.

BACKGROUND OF THE INVENTION

1. Field of the Invention

[0002] The present invention relates to a consumable product unit, a consumable product replacement sensing system and a method thereof, and more particularly, to a consumable product unit, a consumable product replacement sensing system and a method thereof, for recognizing whether or not a new consumable product unit is mounted in a system, as a replacement, and determining whether or not the new consumable product unit is one to use in the system, both of which by using a single circuit.

2. Description of the Related Art

[0003] Generally, a photocopier, a printer, a facsimile machine, and a multi-function machine having multi-functions of the photocopier, the printer, and the facsimile machine are types of electrophotograph printing apparatuses. Such a printing apparatus forms an image such that the printing apparatus provides a solid type developer, such as a toner, to a photosensitive medium where an electrostatic latent image forms or the printing apparatus jets a liquid type developer onto the photosensitive medium, and prints an image corresponding to the electrostatic latent image on a paper passing through rollers rotating and in contact with the photosensitive medium.